

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\  
 Data File : VN063417.D  
 Acq On : 17 Sep 2020 14:26  
 Operator : JC/MD  
 Sample : PB131674TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB131674TB

Quant Time: Sep 18 03:48:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 16 13:05:20 2020  
 Response via : Initial Calibration

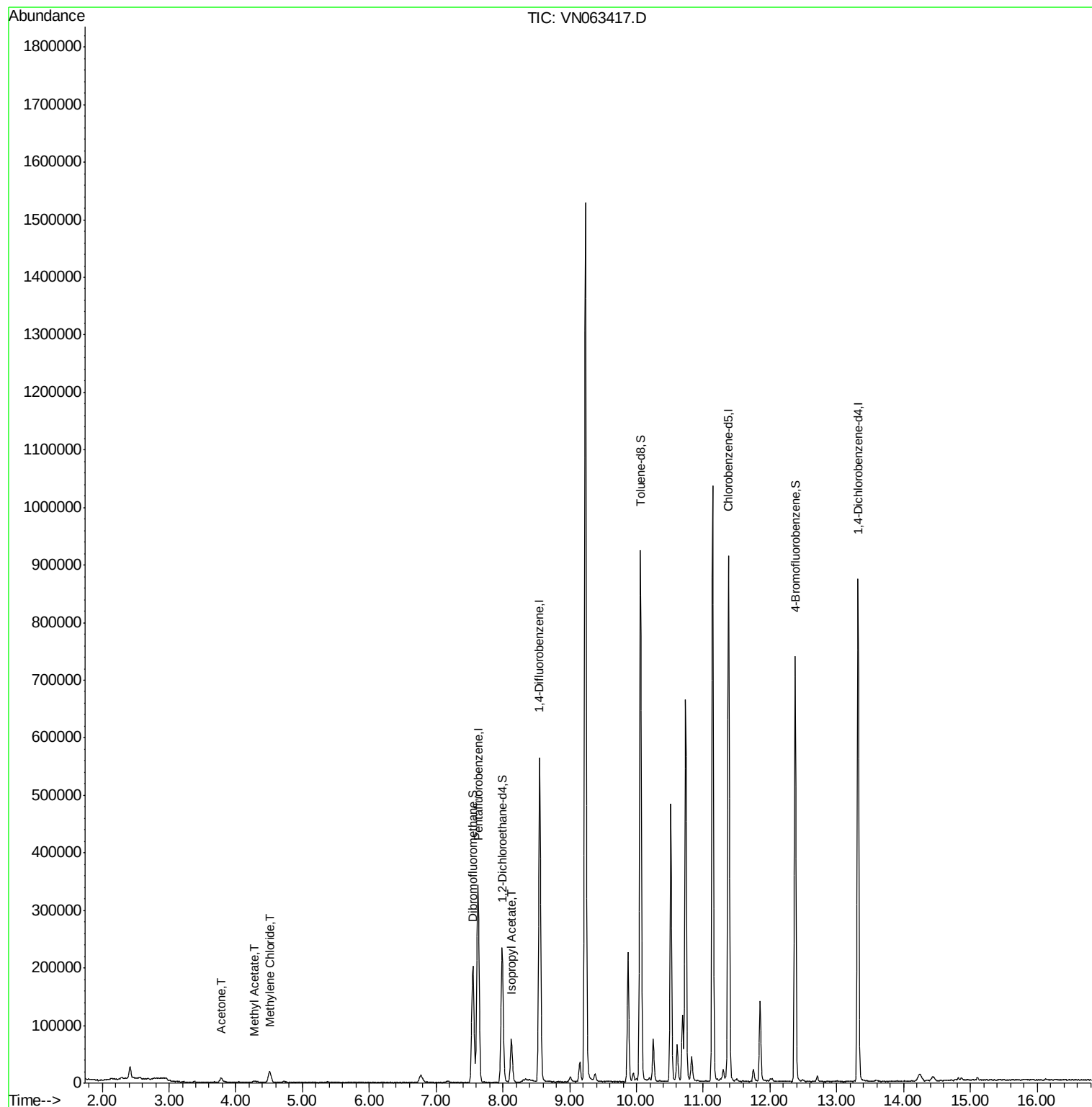
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 255148   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 473943   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 473418   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 208519   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 207186   | 47.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.40%  |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 151276   | 46.11  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.22%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 611587   | 49.57  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.14%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 245707   | 54.33  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.66% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 14416    | 10.328 | ug/l    | 99       |
| 18) Methyl Acetate          | 4.29  | 43   | 5200     | 1.467  | ug/l #  | 70       |
| 20) Methylene Chloride      | 4.51  | 84   | 14125    | 3.994  | ug/l    | 87       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 92600    | 10.450 | ug/l    | 99       |

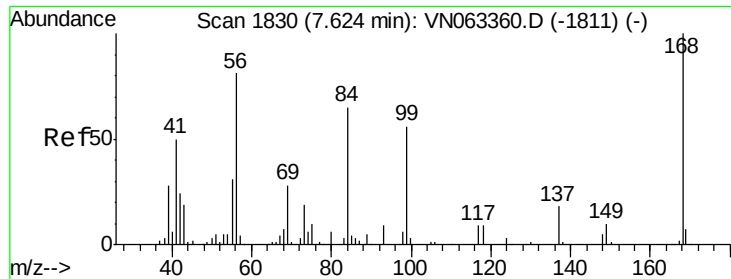
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091720\  
Data File : VN063417.D  
Acq On : 17 Sep 2020 14:26  
Operator : JC/MD  
Sample : PB131674TB  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB131674TB

Quant Time: Sep 18 03:48:05 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 16 13:05:20 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063417.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA\_N

ClientSampleId :

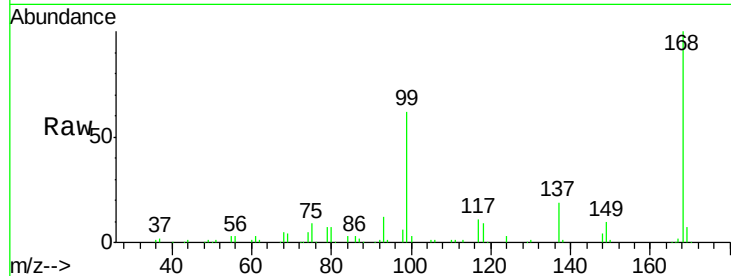
PB131674TB

Tot Ion:168 Resp: 255148

Ion Ratio Lower Upper

168 100

99 62.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

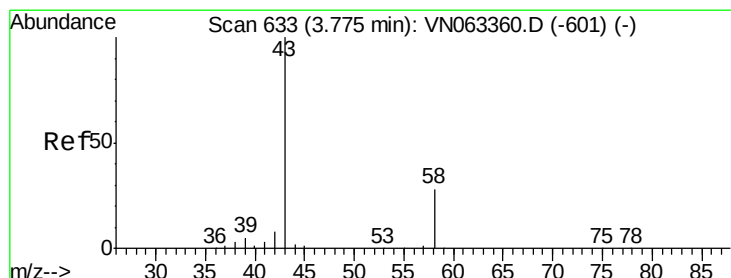
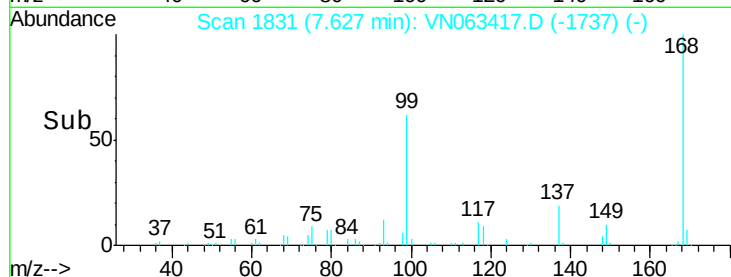
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 10.328 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063417.D

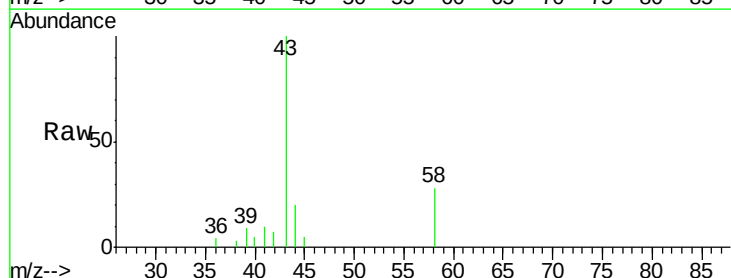
Acq: 17 Sep 2020 14:26

Tgt Ion: 43 Resp: 14416

Ion Ratio Lower Upper

43 100

58 28.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

5000

4000

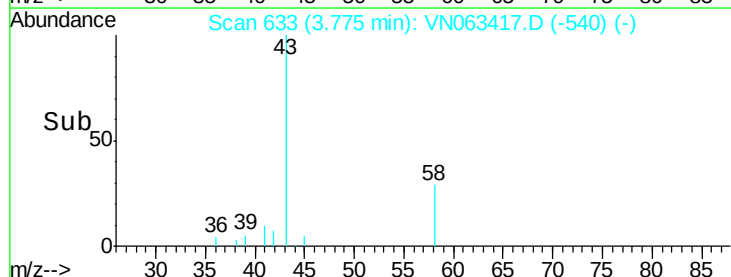
3000

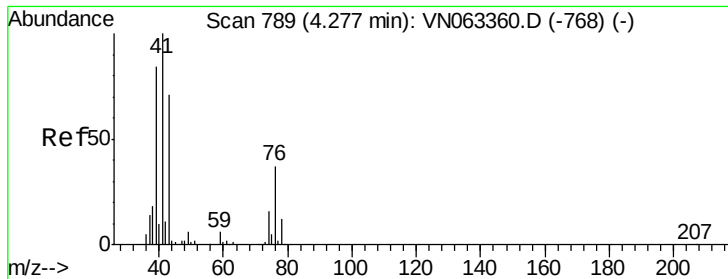
2000

1000

0

Time--> 3.70 3.75 3.80 3.85

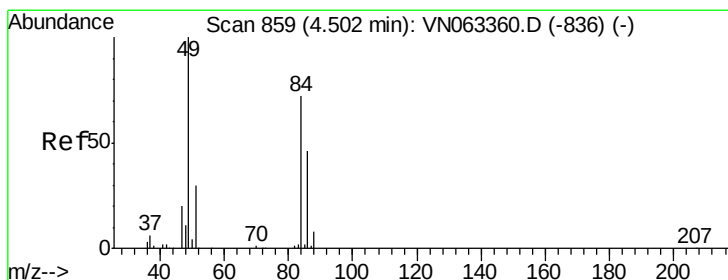
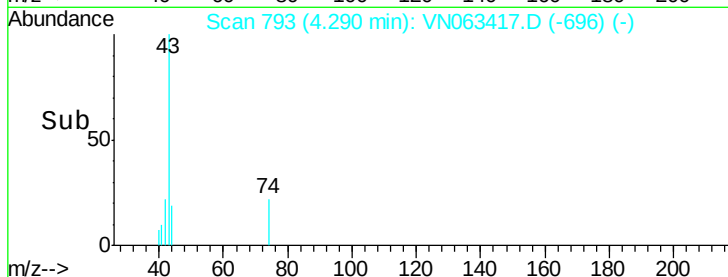
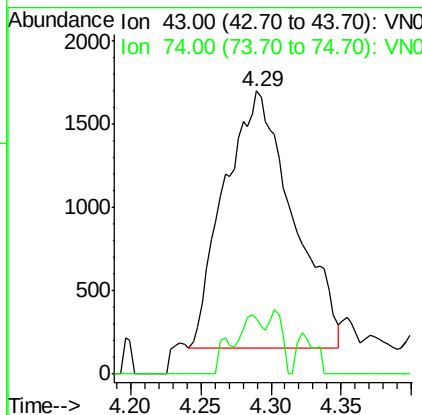
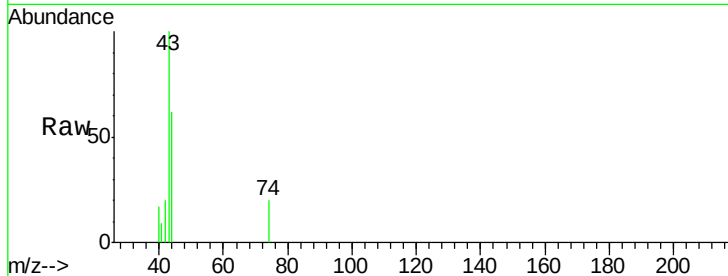




#18  
Methvl Acetate  
Concen: 1.467 ug/l  
RT: 4.29 min Scan# 793  
Delta R.T. 0.01 min  
Lab File: VN063417.D  
Acq: 17 Sep 2020 14:26

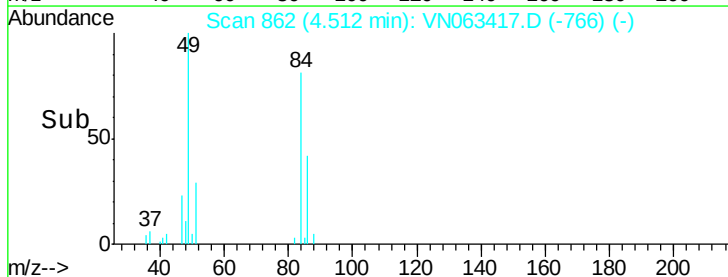
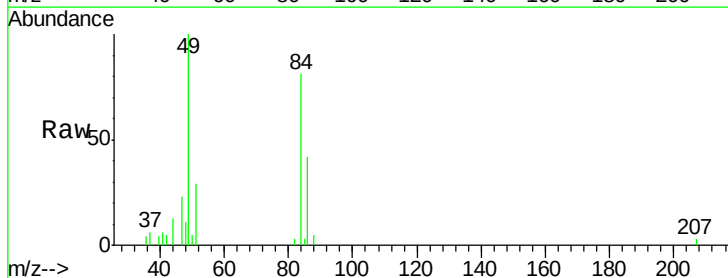
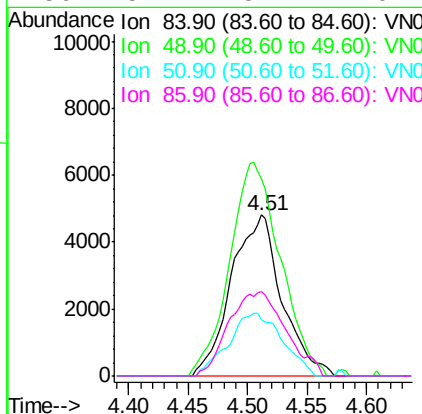
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB131674TB

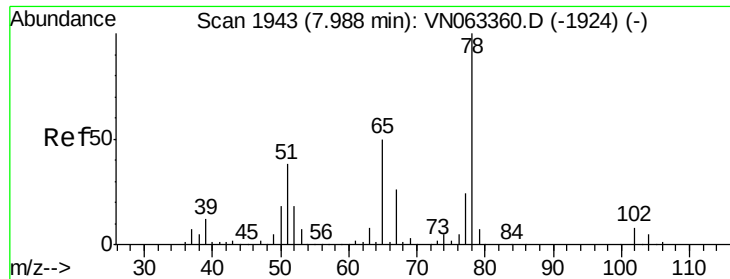
Tot Ion: 43 Resp: 5200  
Ion Ratio Lower Upper  
43 100  
74 7.6 17.4 26.2#



#20  
Methylene Chloride  
Concen: 3.994 ug/l  
RT: 4.51 min Scan# 862  
Delta R.T. 0.01 min  
Lab File: VN063417.D  
Acq: 17 Sep 2020 14:26

Tgt Ion: 84 Resp: 14125  
Ion Ratio Lower Upper  
84 100  
49 122.9 110.7 166.1  
51 35.2 32.9 49.3  
86 52.2 51.1 76.7

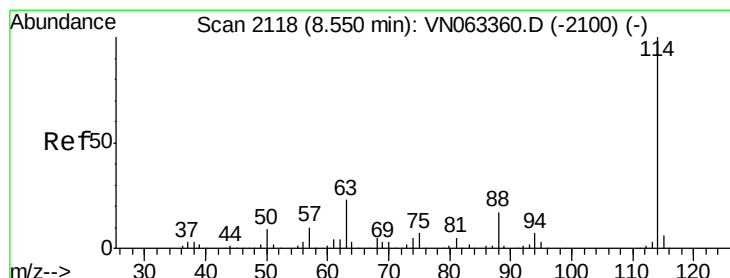
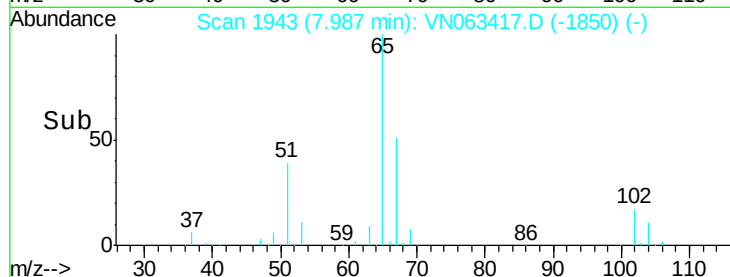
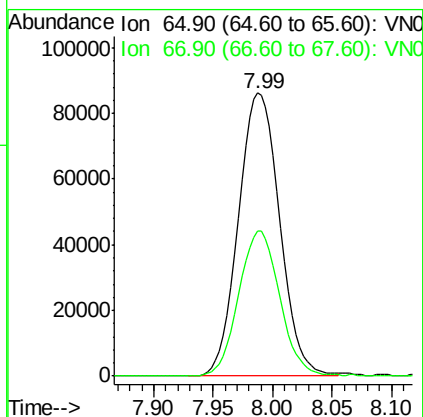
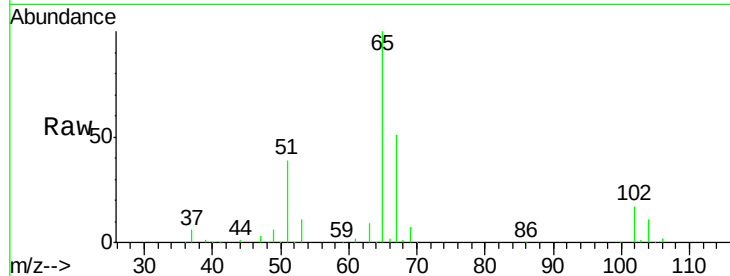




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.703 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VN063417.D  
 Acq: 17 Sep 2020 14:26

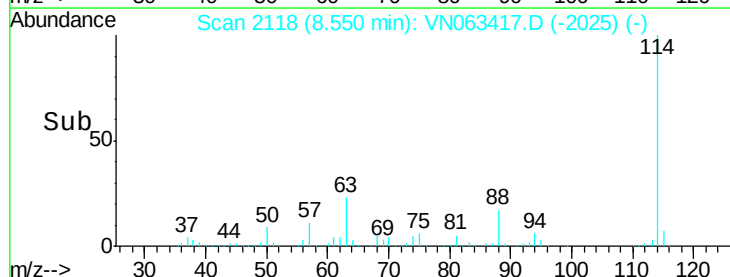
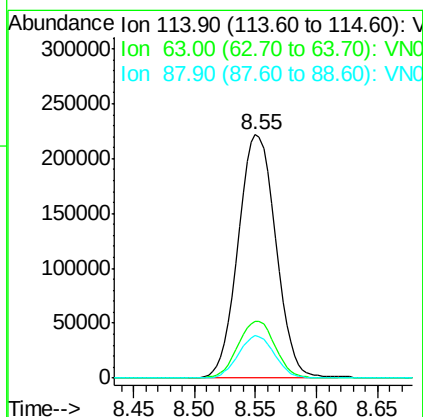
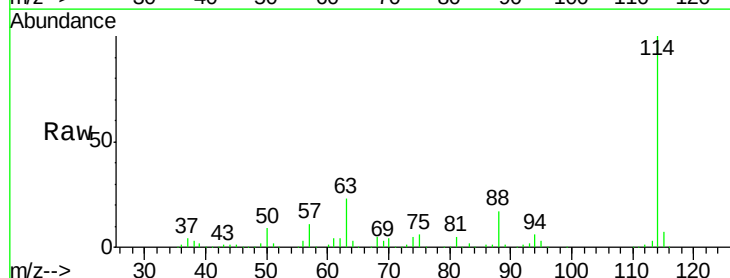
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB131674TB

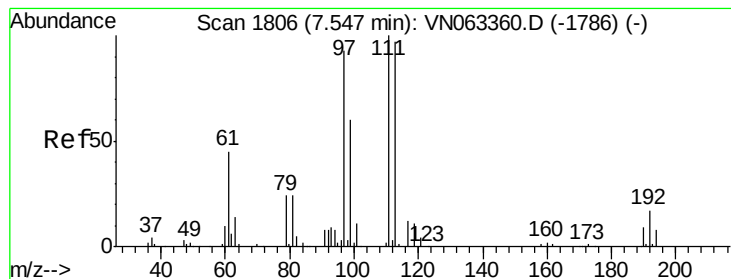
Tot Ion: 65 Resp: 207186  
 Ion Ratio Lower Upper  
 65 100  
 67 50.9 0.0 104.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN063417.D  
 Acq: 17 Sep 2020 14:26

Tgt Ion: 114 Resp: 473943  
 Ion Ratio Lower Upper  
 114 100  
 63 23.5 0.0 46.4  
 88 17.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.107 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063417.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA\_N

ClientSampleId :

PB131674TB

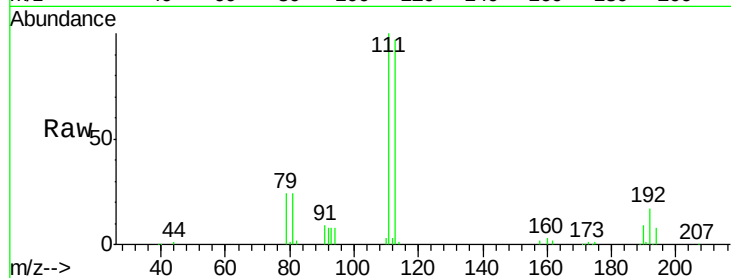
Tot Ion:113 Resp: 151276

Ion Ratio Lower Upper

113 100

111 102.2 82.9 124.3

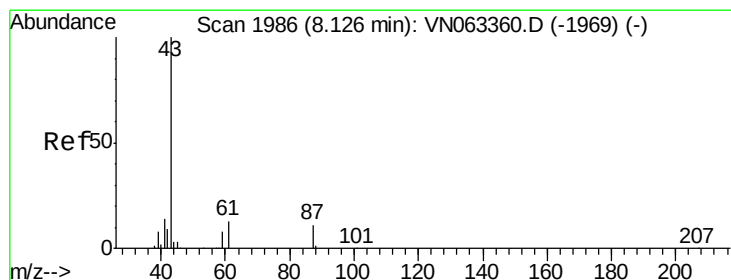
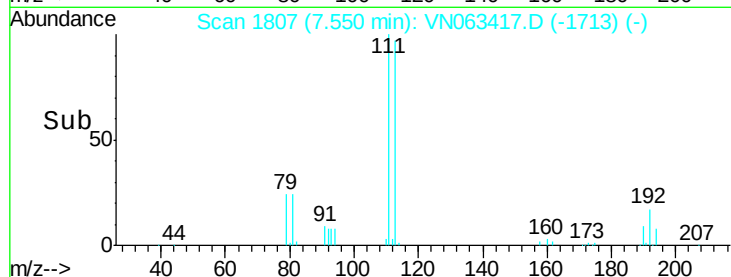
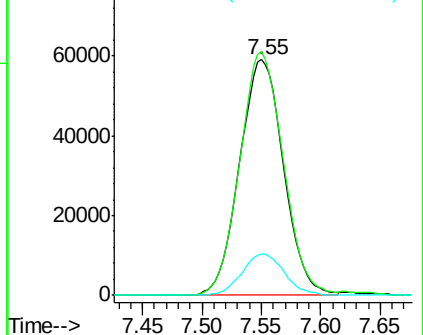
192 17.0 13.9 20.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#43

Isopropyl Acetate

Concen: 10.450 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063417.D

Acq: 17 Sep 2020 14:26

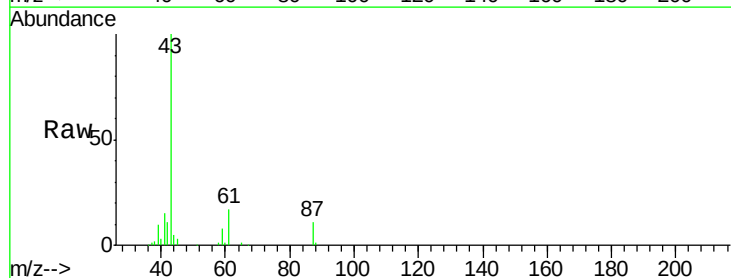
Tgt Ion: 43 Resp: 92600

Ion Ratio Lower Upper

43 100

61 17.3 14.2 21.2

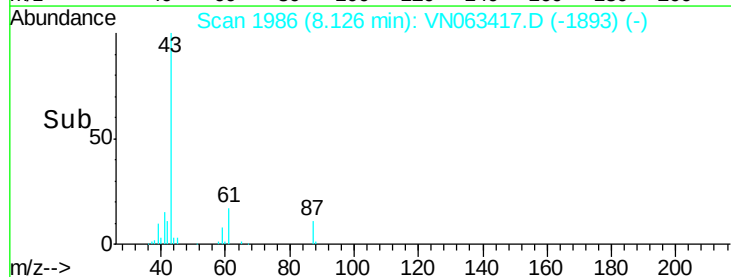
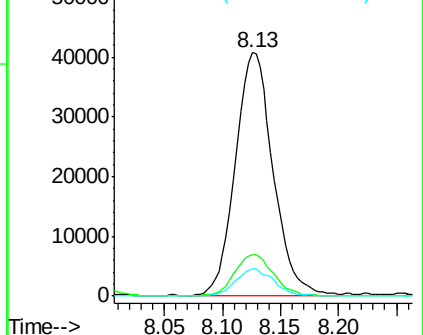
87 11.1 9.0 13.6

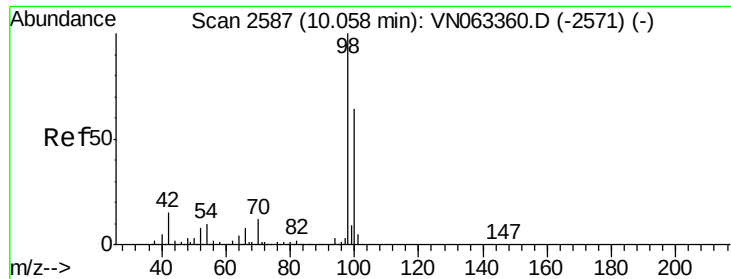


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 49.573 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063417.D

Acq: 17 Sep 2020 14:26

Instrument :

MSVOA\_N

ClientSampleId :

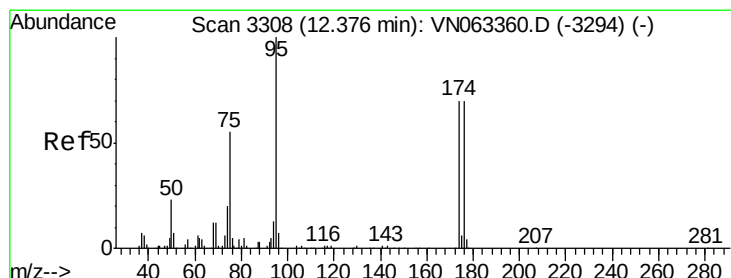
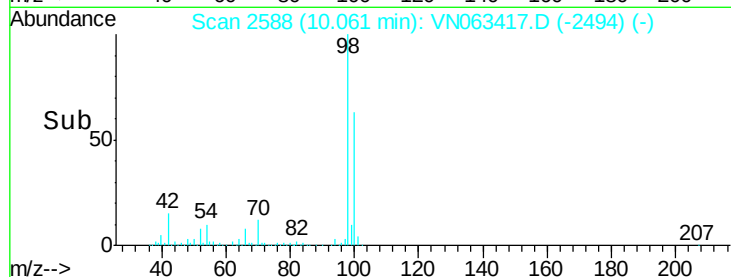
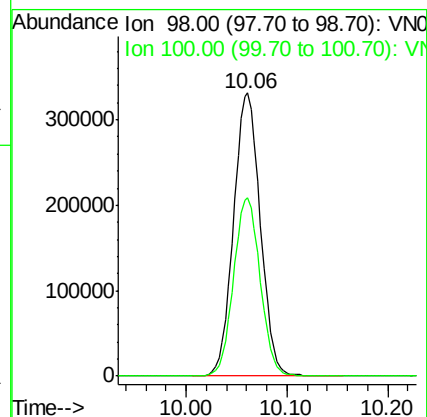
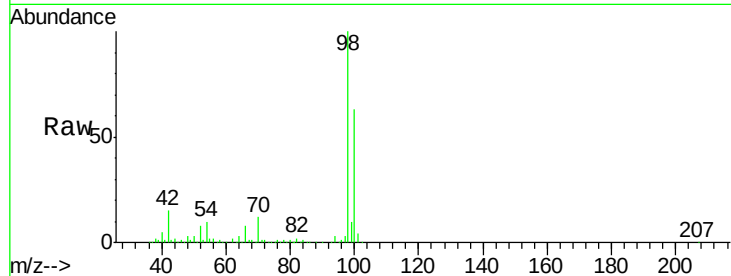
PB131674TB

Tot Ion: 98 Resp: 611587

Ion Ratio Lower Upper

98 100

100 62.8 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 54.329 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063417.D

Acq: 17 Sep 2020 14:26

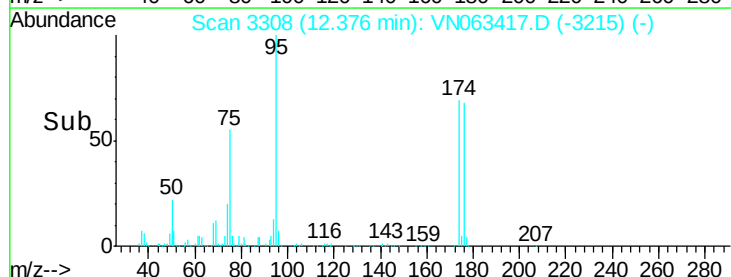
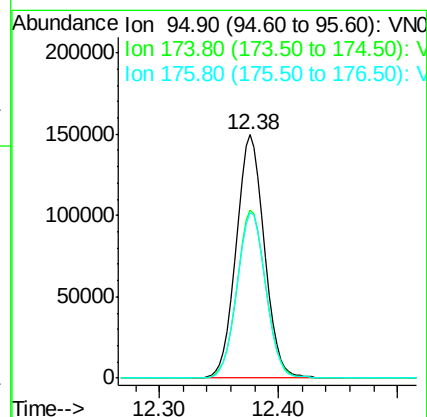
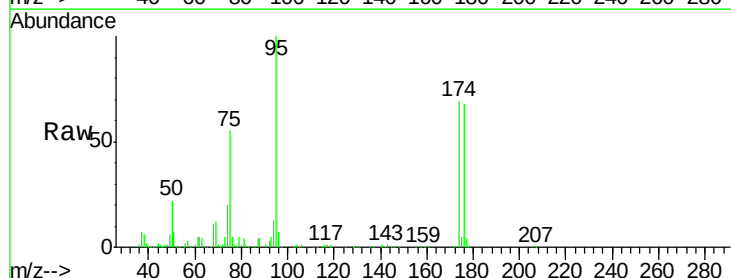
Tgt Ion: 95 Resp: 245707

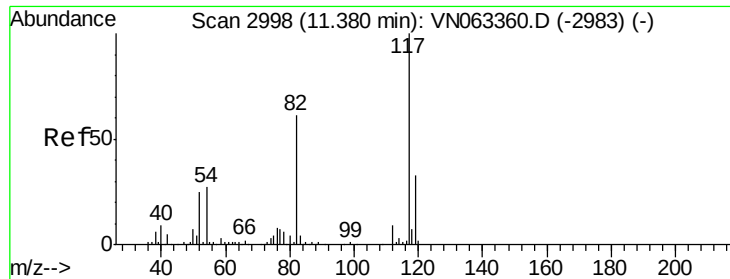
Ion Ratio Lower Upper

95 100

174 70.3 0.0 140.8

176 69.5 0.0 137.6

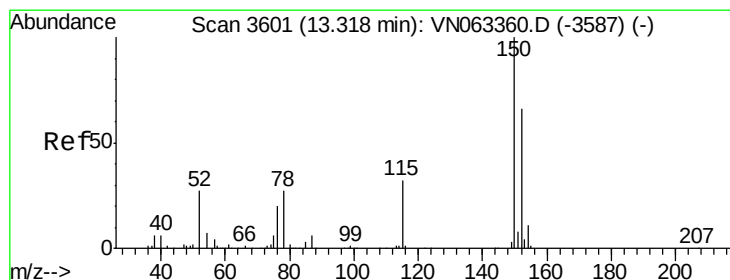
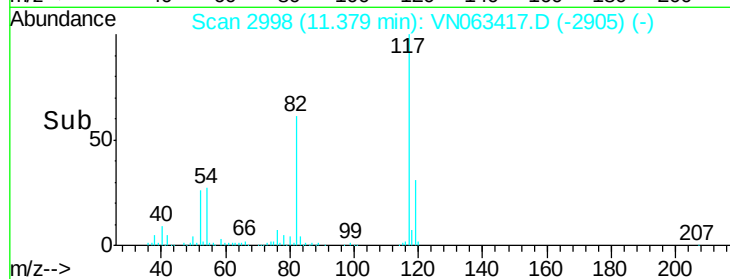
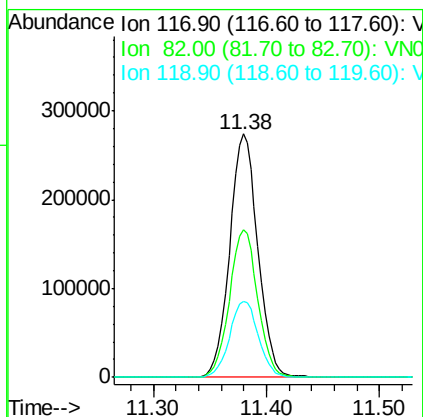
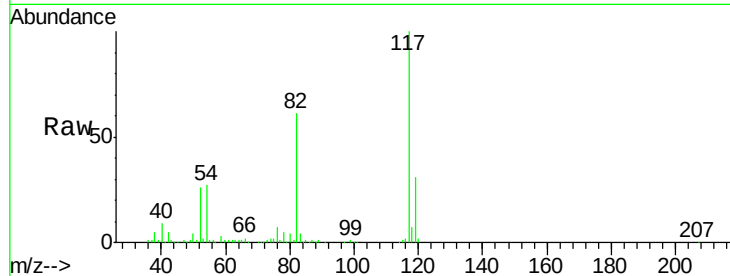




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN063417.D  
Acq: 17 Sep 2020 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB131674TB

Tot Ion:117 Resp: 473418  
Ion Ratio Lower Upper  
117 100  
82 60.6 49.2 73.8  
119 31.4 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. -0.00 min  
Lab File: VN063417.D  
Acq: 17 Sep 2020 14:26

Tgt Ion:152 Resp: 208519  
Ion Ratio Lower Upper  
152 100  
115 64.4 32.2 96.6  
150 156.0 0.0 343.4

